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TITLE: DEVICE TO MANUFACTURE
OPTICAL INFORMATION RECORDING
MEDIUM AND ITS MANUFACTURE

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ABSTRACT:

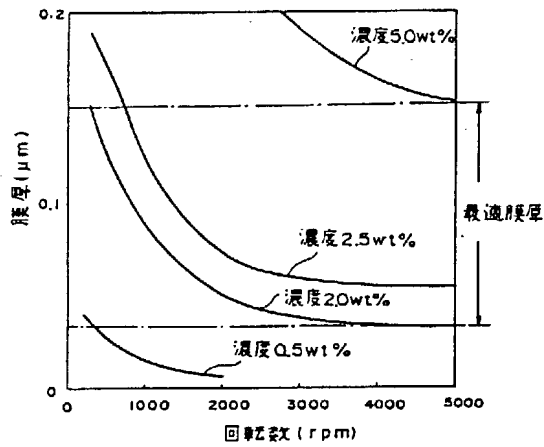
PURPOSE: To obtain an optical information recording medium which allows a recording layer of uniform thickness by providing an air current suppression device which suppresses a convection running toward the periphery after running toward the center as an air current on a substrate with the rotation of a turntable.

CONSTITUTION: If the value of a clearance (d) between a coated substrate 1 and the ceiling of an airtight chamber 15 in the chamber 15 of a spinner coater is within a range of $d \geq 1.5D$ compared to the value of diameter D of a disc substrate 1, it is possible to obtain an optical information recording medium with a spin coating liquid layer of a substrate 1 having a smooth, uniform quality external surface and a uniform thickness and even after drying, on either of the inner, intermediate or outer periphery. However, if (d) is larger than $1.5D$, the same coating layer as one with a spin coating is obtained by providing an air current suppression plate 24 for suppressing an air current running from the upper center to the bottom of the coating substrate 1 at a position equivalent to $d \leq 1.5D$ from the external surface of the coated substrate 1, and furthermore, an air current running from the inner periphery of a part adjacent to the coated surface

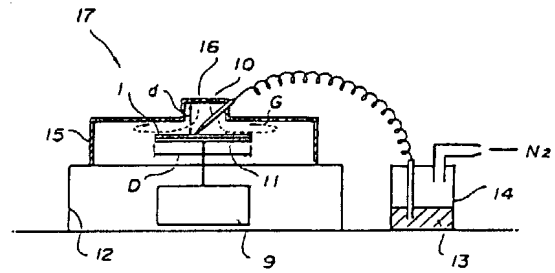
of the substrate 1 to the
outer periphery.

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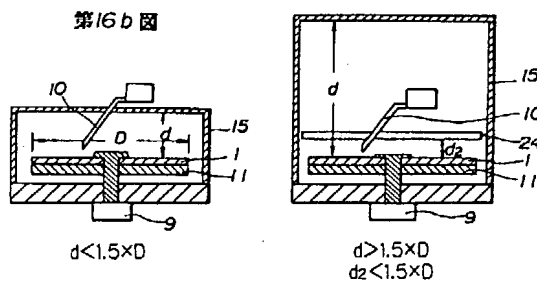
第15圖



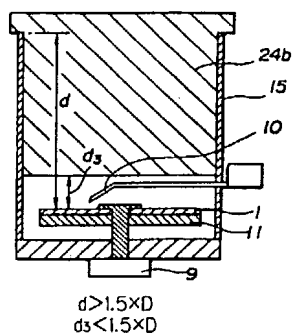
第16a圖



第16c圖



第16d圖



第17圖

